

## ABSTRACT OF THE DISCLOSURE

5 A coolant supply passage, a coolant discharge passage,  
and an air-releasing passage extend through first and second  
metal plates of a metal separator in a stacking direction of  
the first and second metal plates. The coolant supply  
passage and the coolant discharge passage are provided at  
vertically middle positions of opposite horizontal ends of  
the separator. A coolant flow field is connected between  
10 the coolant supply passage and the coolant discharge  
passage. The air-releasing passage for releasing air from  
the coolant flow field is formed above the coolant discharge  
passage. At least part of the air-releasing passage is  
positioned above the top of the coolant flow field.